



Material Safety Data Sheet

Tea Tree Oil

Section 1.1 – Product Identification

Product name : **Tea Tree Oil**
Botanical Name : **Melaleuca alternifolia**
CAS # : **68647-73-4**

Section: 1.2 – Company Identification

Company Name: Indenta Chemicals (India) Pvt. Ltd.
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Section 2: Hazard Identification

Potential Health Effects

Eyes: May cause eye irritation. The toxicological properties of this material have not been fully investigated.

Skin: May cause skin irritation. The toxicological properties of this material have not been fully investigated.

Ingestion: May causes gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this material have not been fully investigated.

Chronic Exposure: No information found.

Section 3: Composition / Ingredient Information

Contents: Terpinen-4-ol, cineol, terpinene, pinene, sabinene, cymene, limonene, terpinolene, terpineol, aromadendrene, cadinene, globulol, viridifloral.

Terpinen-4-ol: 30–45 %
Sabinene: Trace–3.5 %
1,8-Cineol: Trace–10 %
Terpinolene: 1.5–5 %
γ-Terpinene: 10–28 %
Limonene: 0.5–4 %
α-Terpinene: 5–13 %
p-Cymene: 0.5–12 %
α-Pinene: 1–6 %

Section 4: First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Eyes: Flush with plenty of water or eye wash. Consult a physician.

Skin: Wash off soap and water. Get medical attention if irritation persists.

Ingestion: Seek immediate medical advice

Inhalation: If breathed in, move person into fresh air. Consult a physician.

Section 5: Fire Fighting Measures

Flash Point: 57°C

Suitable extinguishing media: Use dry chemical or CO₂, alcohol-resistant foam, water spray.

Special protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.

Decomposition Materials: Carbon Dioxide, Carbon Monoxide.

Section 6: Accidental Release Measures

Environmental Precautions: Keep away from drains, surface and ground water. Report spills to appropriate authorities if required.

Methods for cleaning up: Absorb onto an inert, absorbent substrate and sweep up. Wash area with soap and water.

Safety Precautions: Eliminate all ignition sources. Ventilate area.

Section 7: Handling And Storage

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from fire and open flames.

Storage: Store in cool, dry and well-ventilated area protected in tightly closed container away from sources of ignition, heat and sunlight.

Section 8: Exposure Control / Personal Protection

Work/Hygiene Practice: Normal work and hygiene practices for handling non-hazardous liquid material.

Eye: Safety glasses should be worn.

Skin/Body: Using chemically resistant clothes and gloves are recommended.

Respiratory: Not needed under normal conditions of use.

Other: Evaluate need based on application. Slip proof shoes may be worn where spills may occur.

Section 9: Physical And Chemical Properties

TESTS	SPECIFICATIONS
Appearance	Colorless to pale yellow clear liquid.
Odour	Characteristic warm, spicy odour.
Refractive Index	1.4750–1.482 @ 25°C
Specific Gravity	0.885–0.910 @ 25°C
Optical Rotation	+5.0–+15 @ 25°C
Solubility	Soluble in alcohol and oils. Insoluble in water.
1,8-cineol	Traces - 15
Terpene-4-ol	30 - 48%

Section 10: Stability And Reactivity

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Avoid sparks, flame, excessive heat and strong oxidizers and strong acids.

Hazardous Polymerization: N/A.

Hazardous Decomposition products: None known. When heated to decomposition produces acid fumes and carbon monoxide smoke

Section 11: TOXICOLOGICAL INFORMATION

Inhalation: Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin Contact: Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis). Adverse skin effects should be prevented by normal care and personal hygiene.

Eye Contact: May irritate eyes.

Ingestion: Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.

Medical Conditions Aggravated by Exposure: May aggravate dermatitis, psoriasis and other skin conditions.

Chronic Toxicity: May cause allergic reactions on skin.

Carcinogenicity Data: None of the components of this material are listed as a carcinogen.

Reproductive Toxicity: No adverse effects on reproduction are known.

Acute Toxicity Values: No data is currently available.

Section 12: ECOLOGICAL INFORMATION

Biodegradation: Expected to be ultimately biodegradable

Aquatic Toxicity: No Data.

Bacterial Toxicity: No Data.

Section 13: DISPOSAL CONSIDERATION

Waste Disposable method: Combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber in accordance with all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product. .

Section 14: Transport Information

US DOT Shipping Description: UN #: 1993

Proper Shipping Name: Aromatic Extract Liquid

Class: 3 Packaging Group: III

IATA Shipping (Air): UN #: 1993

Proper Shipping Name: Aromatic Extract Liquid

Class: 3 Packaging Group: III

IMDG Shipping Description: UN #: 1993

Proper Shipping Name: Aromatic Extract Liquid

Class: 3 Packaging Group: III

Section 15: REGULATORY INFORMATION

WHMIS (Canada): N/A

HMIS (USA): Health Hazard–0 Fire Hazard–0 Reactivity–0

SARA 302/ SARA 313: None

California Proposition 65: This product does not contain chemical listed per the Safe Drinking Water and Enforcement Act of 1986.

Section 16: Additional Information

This information is provided for documentation purposes only.

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